

3M General Offices  
3M Center  
St. Paul, Minnesota 55144-1000  
612/733 1110

Industrial Hygiene

02-48  
3359

AUG 16 1989

Duns No.: 00-617-3082

MATERIAL SAFETY  
DATA SHEET

**3M**

DIVISION: DOCUMENT SYSTEMS

TRADE NAME:

3M Brand Type 248 Toner  
3M I.D. NUMBER: 78-6969-5973-9

ISSUED: APRIL 19, 1989

SUPERSEDES: JANUARY 31, 1989

DOCUMENT: 11-0302-7

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
Styrene Acrylic Resin	25767-47-9	80.0 - 90.0	NONE	NONE	NONE	NONE
C.I. Solvent Black 7	8005-02-5	5.0 - 10.0	NONE	NONE	NONE	NONE
Wax	9003-07-0	2.0 - 7.0	NONE	NONE	NONE	NONE
Carbon Black	1333-86-4	2.0 - 7.0	3.5	mg/m3	TWA	ACGIH
Resin	58353-09-6	2.0 - 7.0	NONE	NONE	NONE	NONE
Silica, amorphous	7631-86-9	0.1 - 1.0	3	mg/m3	TWA	ACGIH

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- NONE: None Established

2. PHYSICAL DATA

BOILING POINT:..... N/A  
VAPOR PRESSURE:..... N/A  
VAPOR DENSITY: ..... N/A  
EVAPORATION RATE:..... N/A  
SOLUBILITY IN WATER: ..... Insoluble  
SP. GRAVITY:..... 1.3  
PERCENT VOLATILE: ..... N/A  
VOLATILE ORGANICS: ..... N/D  
pH: ..... N/A  
VISCOSITY: ..... N/A  
APPEARANCE AND ODOR: Fine Black Powder, No Odor.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... N/A  
FLAMMABLE LIMITS - LEL: ..... N/A  
FLAMMABLE LIMITS - UEL: ..... N/A  
AUTOIGNITION TEMPERATURE: ... N/D  
EXTINGUISHING MEDIA:  
Water, CO2, Foam, Dry Chemical  
SPECIAL FIRE FIGHTING PROCEDURES:  
Not flammable or combustible but will burn if ignited.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
None in normal storage and usage conditions.  
NFPA-HAZARD-CODES: HEALTH 1 FIRE 1 REACTIVITY 0  
UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable  
INCOMPATIBILITY - MATERIALS TO AVOID:  
None in normal handling and use.  
HAZARDOUS POLYMERIZATION: Will Not Occur  
HAZARDOUS DECOMPOSITION PRODUCTS:  
None determined.

Abbreviations: N/D - Not Determined N/A - Not Applicable

**3M General Offices**

3M Center  
St. Paul, Minnesota 55144-1000  
612/733 1110

02-48  
3360

Duns No.: 00-617-3082

**MATERIAL SAFETY  
DATA SHEET****3M**

MSDS: 3M Brand Type 248 Toner  
APRIL 19, 1989

PAGE: 2 of 3

---

**5. ENVIRONMENTAL INFORMATION**

---

**SPILL RESPONSE:**

Collect spill with shovel, scoop or vacuum. Vacuum up residue.

**RECOMMENDED DISPOSAL:**

Generally waste can be disposed in a sanitary landfill. Since regulations vary, consult applicable regulations or authorities before disposal.

**ENVIRONMENTAL DATA:**

None determined.

**SARA HAZARD CLASS:**

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: No

---

**6. SUGGESTED FIRST AID**

---

**EYE CONTACT:**

Flush eyes with water.

**SKIN CONTACT:**

None normally required.

**INHALATION:**

Move to fresh air if symptoms occur.

**IF SWALLOWED:**

None normally required.

**OTHER FIRST AID:**

NONE

---

**7. PRECAUTIONARY INFORMATION**

---

Avoid eye contact. Avoid prolonged breathing of dust. Store in a cool, dry place.

**ADDITIONAL EXPOSURE LIMITS**

INGREDIENTS	----- EXPOSURE LIMITS -----			
	VALUE	UNIT	TYPE	AUTH
Carbon Black	3.5	mg/m3	TWA	OSHA
Silica, amorphous	6	mg/m3	TWA	ACGIH
Silica, amorphous	20	mppcf	TWA	OSHA

**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

Abbreviations: N/D - Not Determined N/A - Not Applicable

BOE-C6-0229935

3M General Offices

3M Center  
St. Paul, Minnesota 55144-1000  
612/733 1110

02-48  
3361

Duns No.: 00-617-3082

MATERIAL SAFETY  
DATA SHEET



MSDS: 3M Brand Type 248 Toner  
APRIL 19, 1989

PAGE: 3 of 3

---

**8. HEALTH HAZARD DATA**

---

EYE CONTACT: Dust may cause mechanical irritation of the eyes.

SKIN CONTACT: No adverse health effects are expected.

INHALATION: Dust may cause upper respiratory system irritation.

INGESTION: No adverse health effects are expected.

ADDITIONAL EXPOSURE LIMITS: Carbon Black 3.5mg/m<sup>3</sup> (OSHA); Amorphous Silica 20mppcf TWA (OSHA).

---

**SECTION CHANGE DATES**

---

INGREDIENTS

SECTION CHANGED SINCE JANUARY 31, 1989 ISSUE

---

Abbreviations: N/D - Not Determined N/A - Not Applicable

---

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.